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UTILIZATION OF PODCAST AND STUDENTS' LEARNING ATTITUDE AT THE UNIVERSITIES IN EKITI STATE

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Abstract

The study investigated the perception of learners on the relationship between the utilization of educational podcast and the attitude of students at the universities in Ekiti State. The study adopted descriptive survey research design. The population for the study was the undergraduates at the universities in Ekiti State, Nigeria. An accidental sampling was used to select 300 students at the universities. Two research questions were answered in the study. Two hypotheses were tested at 0.05 level of significance. The instrument used to collect data for this study was a questionnaire titled Podcast and attitude of Students towards learning (PASLQ). The validity of PASLQ was ensured through face and content validity. This was done by two Tests and measurement and one of Educational Technology experts. The reliability of PASLQ was established through Cronbach Alfa with a co-efficient 0.81. The research questions raised in the study were answered using descriptive statistical tool of frequency counts and percentage while, the research hypotheses formulated in the study were tested using inferential statistics of simple correlation and linear regression. The study found that the extent to which students utilized educational podcast at the universities in Ekiti, Nigeria is low, the level of students' attitude towards learning through Podcast at the universities in Ekiti, Nigeria is high, there is significant relationship between the students' utilization of educational podcast and students' attitude towards learning at the universities in Ekiti, Nigeria and that educational podcast significantly predicts the attitude of students towards learning at the universities in Ekiti State. The study recommended that curriculum developers, school authority and university lecturers should integrate podcasting into the curriculum planning, provide devices needed for podcasting and implement the use of

¹. Introduction

The world has been transformed through the advent of technologies. It is obvious that the mode of service delivering has changed overtime based on the utilization of the 21st century devices. The development seen in the world of education and the globe generally could be attributed to the modern day technologies. The education industry is now able to work with ease, simplicity, and able to disseminate knowledge

podcast for instructional purposes so as to improve students' attitude towards learning. **Key words:** Podcast, devices, students, attitude, universities

conveniently due to the incorporation of the innovative devices into educational activities (Yugsan-Gomez, Mejia-Gavilanez, Hidalgo-Montesinos, & Rosero-Morales 2019; Nielsen, Georgiou, Jones, & Turney, 2020). The developing rate of the new technological devices determines the innovative level of the education industry. The 21st century technologies provided had been able to come up with platforms that can aid both teaching and learning. According scholars such as Faramazi, Tabrizi, and Chalak (2021), Aremu and Adeoluwa (2022); Nur'aini, Supriatna, and Ratmaningsih (2023) had shown that instructional activities can take place through platforms like e-learning, m-learning, podcasting, vodcasting, blended learning, collaborative learning among others.

Podcast is a kind of broadcast that is made possible through recordings and online transmission. The utilization of podcasts is a potent substitute for the traditional classroom educational activity. Podcasting is an interesting means of delivering educational content. Chaves.Yuste and de-la Peña (2023) considered that podcast is an innovative and effective means of disseminating the required knowledge to the students. Consequently, McCarthy, Porada, and Treat (2023) observed that the increase in the investigations on educational podcasts still leave some gaps unattended to as the year runs. It was noted from McCarthy, et al., (2023) that some researchers such as Riddell, Robins, Brown, Sherbino, Lin, and Ilgen (2020); Tarchichi, and Szymusiak (2020) observed during well manage scenarios that podcasts could be widely used and preferred to physical classroom instructions, gain learners attention, and allow learners to freely determine learning period. This study however, noticed the need to relate the utilization of educational podcast to the learning attitude of learners.

The efficiency of podcasting can only be actualized if it well utilized. One thing is to understand that a mode of learning can be useful and another is to find out how it is been used. In a study, it was revealed by Eyo (2022) that the extent to which podcast is utilized for instruction and counselling in Nigeria is low. The utilization of podcast in an academic setting should factually depend on the availability of the devices for podcast. It is however, revealed by Chivers, Bliss, de Boon, Lishman, Schillings, Smith and Rose (2023) that devices needed for podcasting might be available but other factors such as poor power supply, unstable internet services and fluctuation in the cost of usage can be impediment to continuous usage of podcasting. Nigerian environment is known for inflation in the rate at which work is done. The cost of engaging podcasting by learners could be high and this will discourage some of the learners to actively utilize podcasting.

The attitude of students towards learning is an imperative factor in the art of teaching and learning. Yuliani, Najmiah, Hamdani, and Pratolo, (2023) considered that the attitude of students towards learning is a vital factor to lay emphasis upon in any educational setting. The development of the right attitude towards learning by students can be seen as a useful tool in an academic environment. More so, students' attitude towards learning can be a motivating factor for student to construct knowledge. Students learning attitude can either be triggered or suppressed by the learning resources (Alkhunaizan, 2019). Students' learning attitude might be revealed in their attraction or repulsion to situation such as affection, dislike, like, abhor, benevolence, vindictiveness, disagreement, appeal, approval and sociability on daily basis. The attitude of learners towards learning dictates learners' concern for educational activities. Learners' attitude towards

learning is one of the variables considered by the study to be relevant in any educational activity. A defect in students' attitude towards learning brings a defect in the learning experience of the students.

It was however considered that a meaningful relationship between the usage of podcast and the attitude of learners will be a pipeline for students' attitude towards educational activities (Carmi, 2023). It is obvious from Carmi's notion that the utilization of podcast is a functional correlate of students' attitude towards learning. Adesina, Onasanya, and Falode (2015) observed in a quasi-experimental study on the attitude of twenty-five Educational Technology students towards the usage of podcast at the University of Ilorin that undergraduates at the university possessed positive attitude towards the use of podcast. This explains that learners will strive to learn when given the liberty to learn through a mode that is different from the tradition mode of learning. A descriptive survey of a study on the attitude of 84 students' towards learning through the utilization of podcast revealed a positive correlation at the Universitas Pendidikan, Indonesia (Hernawam, Dewi, Fadiulillah, & Setiawan, 2021). The perception of these undergraduates was that continuous listening to the content of the lessons on podcast will bring students to meaningful and fun achieving learning environment.

The relationship between the usage of podcast and students' learning attitude is a causal relationship. Owan and Ekpenyong (2022) considered that the utilization of podcast for learning is a predictor of students' attitude towards learning. It can be said that learning will take place if podcasting will be taken as a mode transferring knowledge to university students in Nigeria. The use of 21st educational devices and learning modes are vital predictors of learners' attitude towards learning (Camilleri & Camilleri, 2022). The educational setting in the world is gradually moving from the face to face classroom learning to virtual classroom learning. Learners of this present age are technologically compliance and are more active when learning through devices. The engagement of learners with the use of podcast is a good predictor of students' attitude towards learning (Ji, Park, & Shin, 2022). Hence, this study investigated the perception of learners on the relationship between the utilization of educational podcast and the attitude of students at the universities in Ekiti State.

2. Statement of the Problem

The anticipation of the stakeholders in education is that university students in Nigeria are to develop the right attitude towards learning; but, some students that gained admission to the Nigerian universities are indifferent in their attitude towards learning. The detached attitude of the students towards learning was reflected in class absenteeism, cultism, sex trafficking and excessive concern for pleasure. The Stakeholders in education industry had made efforts to salvage this problem through the provision meaningful learning environment, learning materials, good students-lecturers relationship, bursary and scholarship. Yet, students' attitude towards learning worsens over time. The worsen attitude led to increase in school dropout, frustration, depression, bad gangs, low self-esteem, and suicide. Some studies had identified this problem and investigated various means of improving the attitude of students towards learning.

In view of this problem, this study considered that the utilization of educational podcast and the attitude of students towards learning can relate positively for better construction of knowledge. In line with this expectation, this study was carried out to investigate the perception of students on the relationship between the utilization of educational podcast and the attitude of students towards learning at the universities in Ekiti State, Nigeria.

3. Purpose of the Study

The purpose of this study was to investigate students' perspective on the relationship between the utilization of educational podcast and students' learning attitude at the universities in Ekiti State.

Specifically, the study was carried out to determine;

- i. The level of utilization educational podcast by students at the universities in Ekiti, Nigeria.
- ii. The level of student attitude towards learning at the universities in Ekiti, Nigeria.

3.1 Research Questions

The following research questions were answered in the study

- i. To what extent do students utilize educational podcast at the universities in Ekiti, Nigeria?
- ii. What is the level of students' attitude towards learning through Podcast at the universities in Ekiti, Nigeria?

3.2 Research Hypotheses

The following hypotheses were tested at a 0.05 level of significance in the study

HO1: There is no significant relationship between students' utilization of educational podcast and students' attitude towards learning at the universities in Ekiti, Nigeria.

HO2: There is no significant prediction of students' utilization of educational podcast on students' attitude towards learning at the universities in Ekiti, Nigeria.

4. Methodology

The study adopted descriptive survey research design. Descriptive survey research design was employed because it helps the study to describe the existing situation in line with the correlation between the use of educational podcast and students' attitude towards learning at the universities in Ekiti State, Nigeria. The population of the study includes all university students at the universities in Ekiti State 2021/2022 academic session. Accidental sampling technique was used to select 100 students from the three universities in Ekiti State. Hence, the total elements in the sample were 300. The instrument used to collect data for this study was a questionnaire titled Podcast and attitude of Students towards learning (PASLQ). The validity of PASLQ was ensured through face and content validity. This was done by two Tests and measurement and one of Educational Technology expert. The reliability of PASLQ was established through Cronbach Alfa with a co-efficient 0.81. PASLQ was administered by the researcher and two research assistants physically to the respondents. The research questions raised in the study were answered using descriptive statistical tool of frequency counts and percentage while, the research hypotheses formulated in the study were tested using inferential statistics of simple correlation and linear regression at 0.05 level of significance.

5. Results

Research Question 1: To what extent do students utilize educational podcast at the universities in Ekiti, Nigeria?

Table 1: Extent to which students utilized educational podcast at the universities in Ekiti, Nigeria

n= 300

S/N o	Statement	VH	%	H	%	L	%	VL	%	Decision
1	You use podcast for learning	13	4.3	77	25.7	80	26.7	130	43.3	Low
2	You use podcast to gain all the lesson details	4	1.3	75	25	72	24	149	49.7	Low
3	You use podcast to revise previous lesson	14	4.7	36	12	120	40	130	43.3	Low
4	You use podcast to clarify confusing concept	15	5	81	27	93	31	111	37	Low
5	You use podcast for consistent learning	23	7.7	67	22.3	59	19.7	151	50.3	Low
	Grand Decision								Low	

The table above shows that 90 participants highly utilized podcast for learning; while, 210 participants lowly utilized podcast for learning. It was also revealed in the table that 79 respondents highly utilized podcast to gain all the lesson details; while, 221 respondents lowly utilized podcast to gain all the lesson details. Table 1 also shows that 50 participants highly utilized podcast to revise previous lesson; while, 250 participants lowly utilized podcast to revise previous lesson. The table further revealed that 96 participants highly utilized podcast to clarify confusing concept; while, 204 participants lowly utilized podcast to clarify confusing concept. The table finally revealed that 90 participants highly utilized podcast for consistent learning; while, 210 participants lowly utilized podcast for consistent learning. These findings show that the extent to which students utilized educational podcast at the universities in Ekiti, Nigeria is low.

Research Question 2: What is the level of students' attitude towards learning through Podcast at the universities in Ekiti, Nigeria?

Table 2: The level of students' attitude towards learning through Podcast at the universities in Ekiti, Nigeria

n= 300

S/N o	Statement	VH	%	H	%	L	%	VL	%	Decision
1	You prefer to learn through podcasting	182	60.7	48	16	48	16	22	7.3	High
2	You will learn through podcasting	159	53	75	25	54	18	12	4	High

3	You will be attentive during podcasting	143	47.7	86	28.7	58	19.3	13	4.3	High
4	You will be incline to podcasting	149	49.7	87	29	54	18	10	3.3	High
5	You will have fun by learning via podcasting	123	41	66	22	80	26.7	31	10.3	High
Grand Decision					High					

Table 2 revealed that 230 respondents highly prefer to learn through podcasting; while, 70 respondents lowly prefer to learn through podcasting. It was also indicated in the table that 234 participants will highly learn through podcasting; while, 66 participants will lowly learn through podcasting. The table also revealed that 229 participants will be highly attentive during podcasting; while, 71 respondents will be attentive during podcasting. It was also revealed in the table that 236 respondents will be highly incline to podcasting; while, 64 respondent lowly incline to podcasting. The table likewise gave a report that 189 respondents will highly have fun by learning via podcasting; while, 111 respondents will lowly have fun by learning via podcasting. Hence, the level of students' attitude towards learning through Podcast at the universities in Ekiti, Nigeria is high.

Hypotheses Testing

Hypothesis One : There is no significant relationship between students' utilization of educational podcast and students' attitude towards learning at the universities in Ekiti, Nigeria.

Table 3: Correlation Analysis of Students' Utilization of Educational Podcast and Students' Attitude towards Learning at the universities in Ekiti, Nigeria

Source of Variation	N	Mean	SD	r _{cal}	df	Sig.	Result
Utilization of Podcast	300	14.34	4.69	0.79	298	0.00	Significant
Learning Attitude	300	13.39	5.21				

*P < 0.05

Table 3 present that p-value (0.00) is less than the critical value (0.05) i.e. $P < (0.05)$. This implies that the null hypothesis is rejected at 0.05 level of significant; hence, there is significant relationship between the students' utilization of educational podcast and students' attitude towards learning at the universities in Ekiti, Nigeria.

Hypothesis Two: There is no significant prediction of students' utilization of educational podcast on students' attitude towards learning at the universities in Ekiti, Nigeria

Table 4: Regression Analysis of the prediction of students' utilization of educational podcast on students' attitude towards learning at the universities in Ekiti, Nigeria

Regression			ANOVA				
Model		Source	Sum of Squares	Df	Mean Square	F	Sig. Value
R	0.793	Regression	5099.185	1	5099.185	503.431	0.00
R ²	0.628	Residual	3018.402	298	10.129		
Adj R ²	0.627	Total	8117.587	299			

*P<0.05

The result in table 4 shows that the p value (0.00) is less than the significant level (0.05) i.e. $p < 0.05$. This implies that the null hypothesis is rejected at 0.05 level of significant; hence, the utilization of educational podcast significantly predicts the attitude of students towards learning at the universities in Ekiti State.

6. Discussion

The findings of this study revealed that the extent to which students utilized educational podcast at the universities in Ekiti, Nigeria is low. This is in consonant with the result of Eyo (2022) that show that the extent to which podcast is utilized for instruction and counselling in Nigeria is low. According to Chivers, et al., (2023) the low utilization of podcasting in the universities in Ekiti State can be caused by factors such as poor power supply, unstable internet services and fluctuation in the cost of usage can be impediment to continuous utilization of podcasting. Students might have the desire to be engaged in educational podcasting for learning but the resources needed might not be available.

One of the findings of this study revealed that the level of students' attitude towards learning through Podcast at the universities in Ekiti, Nigeria is high. This outcome supports Yuliani, et al., (2023) that considered the attitude of students towards learning as a vital factor to lay emphasis upon in any educational setting because it determines the disposition of the learners to what to learn and how to learn. Alkhunaizan, (2019) observed that the attitude of learners towards learning can be stirred or concealed depending on the academic setting of the learner. Students can exhibit favourable attitude towards learning in a learning environment and display unfavourable attitude towards learning in the same learning environment within a twinkle of an eye.

The findings also revealed that there is significant relationship between the students' utilization of educational podcast and students' attitude towards learning at the universities in Ekiti, Nigeria. This

outcome is similar to the results of Carmi, (2023) which implies that there exist meaningful relationship between the usage of podcast and the attitude of learners. The relationship between usage of podcast and students' attitude towards learning is necessary in the 21st educational setting. This is because podcasting stir up the interest of learners and develop the attitude for consistent learning at convenient time and place. This was also buttressed with Adesina, et al., (2015)'s assertion that the utilization of educational podcast by students promotes the attitude of students towards learning. Students' usage of podcast promotes and attract learners to participate in learning activities which invariably foster the display of meaningful learning attitude and consistent learning.

The utilization of educational podcast significantly predicts the attitude of students towards learning at the universities in Ekiti State. This outcome relates to Owan and Ekpenyong (2022)'s result that the utilization of podcast for learning predicts students' attitude towards learning. The act of making learners to listen to podcast contents has a corresponding respond in the attitude of university students in Nigeria. Camilleri and Camilleri (2022)'s findings also explained this outcome with the idea that one of the variables that can be used to predict whether learners will develop positive attitude towards learning or not is the 21st educational devices. It was identified from Ji, Park, & Shin, (2022)'s work that learners that meaningfully engage in learning through technologies such as podcast can be predicted to have positive attitude towards learning.

7. Conclusion

Based on the findings of this study, it was concluded that the students at the universities in Ekiti State do not frequently utilize podcast for learning purposes. There is possibility for the students at the universities to use podcast for other activities especially for fun activities but this study concluded that students do not use podcast often for educational activities. It was also concluded that the utilization of educational podcasting by undergraduates in Ekiti State improves students' attitude towards learning. Consequently, the usage of podcast for learning by students at the universities in Ekiti State is positively proportional to students' learning attitude. Hence, it was finally concluded in the study that the effective utilization of podcasting for learning yields positive learning attitude for the students at the universities in Ekiti State, Nigeria.

8. Recommendations

It is recommended in the study that:

School authority should create awareness and provide devices needed for podcasting to lecturers and learners so that podcasting can be utilized and students' attitude towards learning can be improved.

Curriculum developers should integrate podcasting into the curriculum planning and design for the purpose improving students' attitude towards learning.

University lecturers should implement the use of podcast for instructional purposes for the purpose of improving students' attitude towards learning.

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